

METEORS.

Remarkably bright meteors were noted on the 3d at Trenton, New Jersey; 13th at Fort Gibson, Indian Territory and Morgantown, West Virginia; 16th at Troy, New York; 18th at Wooster, Ohio; 21st at Augusta, Georgia.

SOLAR AND LUNAR HALOS.

These have been remarkably frequent during the month. The only day on which a lunar halo has not been reported at some one of the three hundred stations was the 5th. The lunar halos most extensively observed were those of the 1st, observed from Nebraska to New York; the 4th, from Virginia to Michigan; the 10th, from New Jersey to Massachusetts; the 22nd, from Georgia to New Jersey; the 23rd, in North and South Carolina; the 24th, over Pennsylvania, New York and New England; the 26th, in Kansas, Minnesota, Mississippi and New York; the 27th, in Michigan, New York and Pennsylvania; the 28th, from Iowa to Maine; the 29th, from Minnesota to Georgia and to Maine.

Solar halos have been observed on about half the days of the month; of these, those especially notable were observed—on the 4th, in Illinois, Iowa and Pennsylvania; on the 5th, in New York and New England; the 13th, from North Carolina to New York and Ohio; the 14th, in Maine, the Middle States and Iowa; the 22nd, in New Jersey, Delaware, Ohio and Indian Territory; the 24th, in Delaware, Pennsylvania, Ohio and Indian Territory; the 28th, in Maine, New York, Ohio and Iowa.

ATMOSPHERIC ELECTRICITY.

(1.—*THUNDER STORMS.*)

The records of April seem hardly full enough to warrant an attempt at a graphical representation of the distribution of thunder storms. The following list gives, in general, the date of the occurrence of the first thunder storm of the season and occasionally the date of an extremely severe storm: On the 4th, in Kansas; 5th, in Indian Territory; 6th, in Tennessee and Missouri; 7th, in North Carolina, Virginia and New Jersey; 9th, in Virginia; 10th, in New Jersey; 14th, in Tennessee, Ohio and Indian Territory; 15th, in Tennessee and Louisiana; 17th, in Florida; 20th, in Virginia, Ohio, Pennsylvania and New York; 21st, in Virginia and Louisiana; 27th, in Texas; 28th, in Maryland.

(2.—*TELEGRAPHIC GROUND CURRENTS.*)

The one station reporting the occurrence of the phenomena is Pembina, where it was observed during the 29th.

(3.—*AURORAS.*)

The most remarkable aurora that has been recorded during this month was that observed on the night of the 7th and morning of the 8th. Details of its observation have thus far been received from over fifty stations, covering the country from Iowa and Dakota on the west, to New Jersey and Maine on the east; this aurora was also well observed at Fort Gibson, I. T. Auroras were also observed at numerous stations on the 1st, 3d, 4th, 5th, 6th, 7th, 8th, 9th, 12th, 13th, 14th, 16th, 28th, 29th.